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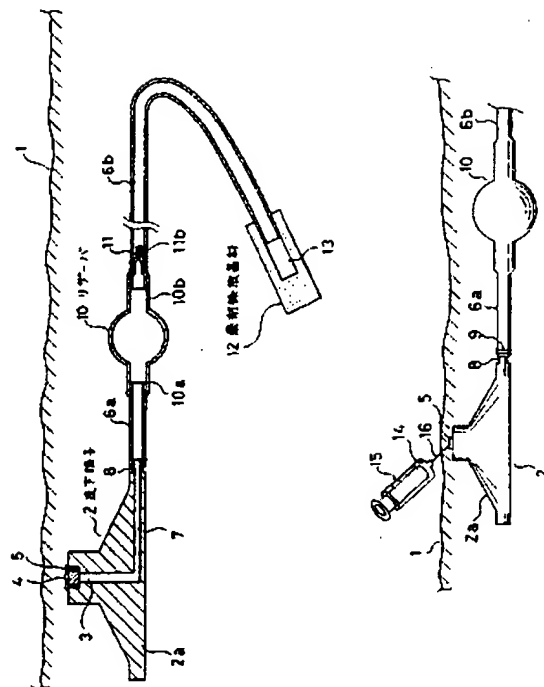
APPLICATION DATE : 11-07-89
APPLICATION NUMBER : 01178611

APPLICANT : OLYMPUS OPTICAL CO LTD;

INVENTOR : OZEKI KAZUHIKO;

INT.CL. : A61M 37/00

TITLE : GRADUAL DRUG RELEASING DEVICE



ABSTRACT : PURPOSE: To decrease the number of times to replenish drugs to the gradual drug releasing base material to be implanted in a living body by providing an introducing member for introducing the drugs in the gradual drug releasing base material consisting of a porous ceramics material and providing a reservoir to temporarily store the drugs injected from the outside of the living body before introducing the drugs through this introducing member into the gradual drug releasing base material.

CONSTITUTION: The drugs 14 are injected from the outside of the living body via the skin tissue 1 of the living body to the subcutaneous terminal 2 and while the drugs are temporarily stored in the reservoir 10 connected to a subcutaneous terminal 2, the internal drugs 14 are gradually allowed to flow out to the gradual drug releasing base material 12 by utilizing the elastic shrinkage force of the reservoir 10. The drugs diffuse gradually through the respective holes of the gradual drug releasing base material 12 consisting of the porous material so that the drugs can be gradually dosed to the desired focal part from the outer peripheral surface of the gradual drug releasing base material 12 over a long period of time. The drugs 14 are easily replenished properly and repeatedly from the outside of the living body by using an injection needle 16 of, such as syringe 15, even if all the drugs 14 are gradually released.

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